

SOLUCIONES DE EJERCICIOS RESUELTOS DEL SISTEMA SEXAGESIMAL

1. Realiza las siguientes operaciones i simplifica el resultado, siendo:

$$A = 23^{\circ} 15' 56''$$

$$B = 56^{\circ} 80' 36''$$

$$C = 98^{\circ} 12' 41''$$

$$D = 41^{\circ} 60' 7''$$

➤ **A + B + C**

$$\begin{array}{r}
 23^{\circ} 15' 56'' \\
 56^{\circ} 80' 36'' \\
 + 98^{\circ} 12' 41'' \\
 \hline
 177^{\circ} 107' 133'' \rightarrow 178^{\circ} 49' 13''
 \end{array}$$

➤ **C - A - D**

$$\begin{array}{r}
 1^{\circ} \rightarrow 60' \quad 1' \rightarrow 60'' \\
 \phantom{1^{\circ}} \quad \quad \\
 98^{\circ} 12' 41'' \\
 - 23^{\circ} 15' 56'' \\
 \hline
 74^{\circ} 56' 45'' \\
 - 41^{\circ} 60' 7'' \\
 \hline
 32^{\circ} 56' 38''
 \end{array}$$

➤ **2 · C ÷ 3**

$$2 \cdot C = 196^{\circ} 24' 82'' \rightarrow 196^{\circ} 25' 22'' \div 3$$

$$196 \div 3 = 65^{\circ} \text{ R: } 1^{\circ}$$

$$60 + 25 = 85' \div 3 = 28' \text{ R: } 1'$$

$$60 + 22 = 82'' \div 3 = 27'' \text{ R: } 1''$$

$$\mathbf{65^{\circ} 28' 27''}$$

2. Pasa a forma incompleja (a minutos) A y D.

$$A = 23^{\circ} 15' 56''$$

$$23 \cdot 60 + 15 + 56 \div 60 = 1395.933$$

$$D = 41^{\circ} 60' 7''$$

$$41 \cdot 60 + 60 + 7 \div 60 = 2520.116$$

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